

**Solicitation: VA-247-15-Q-0697 Patient Rooms Bedside Cabinets**

**Notice Type:** Combined Synopsis/Solicitation

(i) This is a COMBINED SYNOPSIS/SOLICITATION for commercial services/items prepared in accordance with the format in FAR subpart 12.6, in conjunction with the policies and procedures for solicitation, evaluation, and award as prescribed under FAR 13.1, and as supplemented with additional information included in this notice. This announcement constitutes the only solicitation; quotes are being requested and a written solicitation will not be issued.

(ii) The solicitation number is VA257-16-Q-1421 and is issued as a request for quotation (RFQ) COMBINED SYNOPSIS/SOLICITATION.

(iii) The provisions and clauses incorporated into this solicitation document are those in effect through Federal Acquisition Circular 2005-52, November 2, 2011. Provisions and clauses incorporated by reference have the same force and effect as if they were given in full text. The full text of the Federal Acquisition Regulations (FAR) and Veterans Affairs Acquisition Regulations supplement (VAAR) can be accessed on the Internet at <http://www.acquisition.gov/far/> (FAR) and <http://www.va.gov/oal/library/vaar/> (VAAR). Additionally 52.203-98, Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements—Representation (DEVIATION 2015-02) and 52.203-98, Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements—Representation (DEVIATION 2015-02) are incorporated into this solicitation.

(iv) This solicitation is issued as a total SERVICE DISABLED VETERAN OWNED SMALL BUSINESS (SDVOSB) set-aside. The North American Industry Classification System (NAICS) code is **423450**. Only Department of Veterans Affairs Center for Veterans Enterprise (CVE) Vendor Information Pages (VIP) VetBiz verified SDVOSB firms are eligible to submit an offer or receive an award of a VA contract that is set-aside for SDVOSB in accordance with VAAR Part 819. A non-verified vendor that submits a bid or proposal should be rejected as non-responsive or technically unacceptable as listing in VIP is not self-correctable as a minor informality as, for example, a listing in SAM. All other purported SDVOSBs must apply for and receive verified status in accordance with 38 CFR Part 74 and be listed in VIP prior to submitting a bid or offer on an acquisition conducted in accordance with VAAR Part 819. The VIP database will be checked both upon receipt of an offer and prior to award. (v) This procurement is for NEW EQUIPMENT ONLY; no remanufactured or "gray market" items. All Equipment must be covered by the manufacturer's warranty, which must be detailed in the received quotation. All quotations must be inclusive of shipping and installation costs should they apply.

This requirement consists of the following items/specifications:

**A. DESCRIPTION: NONINVASIVE/INVASIVE VENTILATOR**

The Noninvasive/Invasive Ventilator must be a microprocessor-controlled, ventilatory assist system that will provide continuous or intermittent positive pressure ventilatory support, either noninvasively or invasively, for patients weighing at least 5kg. The system must be capable of operating with single-limb "passive" BiPAP circuits, exhalation valve "active" circuits, and be capable of operating with or without a proximal flow sensor.

The Noninvasive/Invasive Ventilator system must be capable of providing both pressure control and volume control modes of ventilation via a “passive” BiPAP circuit.

The Noninvasive/Invasive Ventilator system must be cleared by the FDA to operate with noninvasive masks, endotracheal tubes and tracheostomy tubes.

**MUST MEET OR EXCEED SALIENT CHARACTERISTICS BELOW:**

**DIMENSION REQUIREMENTS:**

- Overall Dimensions of Noninvasive/Invasive Ventilator (without cart) not to exceed:
  - Height 23.52 cm
  - Width 28.45 cm
  - Depth 21.13 cm
- Weight of the ventilator module (without cart), not to exceed:
  - 6.1 kg with the detachable battery installed

**UTILITY REQUIREMENTS:**

- Electricity: 100 to 240 VAC, 50/60 Hz, 2.1 A
- Internal Battery: Capable of operating the ventilator for up to three hours
  - Voltage: 14.4 VDC
  - Capacity: 71 Wh
  - Chemistry type: Lithium-Ion
- Detachable Battery (optional): Capable of operating the ventilator for an additional three hours and be “hot-swappable” with additional optional batteries.
  - Voltage: 14.4 VDC
  - Capacity: 71 Wh
  - Chemistry type: Lithium-Ion
- External Battery
  - Must be able to operate from a 12VDC deep cycle marine battery with optional cable
- Medical Air: Should not require a Medical Air connection
- Oxygen: 50 PSIG, DISS O2 input

1. **AUTO-TRAK AUTOMATIC REGULATION SYSTEM:** The Noninvasive/Invasive Ventilation System must automatically adjust triggering and cycling thresholds and automatically compensate for unintentional leaks in the system to maintain optimum patient-ventilator synchrony.

2. **VENTILATION MODES:** The Noninvasive/Invasive Ventilator must include a range of conventional volume and pressure modes:
- i. **VCV** (Volume Control Ventilation) provided via A/C or SIMV modes and Sigh Breath capability to deliver 150% of set Tidal Volume every 100 breaths.
  - ii. **CPAP** (continuous positive airway pressure) with C-Flex to reduce the pressure at the beginning of exhalation and RAMP to slowly introduce the therapeutic pressure over time.
  - iii. **S Mode** (Spontaneous Breathing Mode) with Bi-Flex to adjust therapy by inserting a small amount of pressure relief during the latter stages of inspiration and during the beginning part of exhalation
  - iv. **PCV** (pressure controlled ventilation) with RAMP to slowly introduce the therapeutic pressure over time.
  - v. **S/T** (Spontaneous/Timed) pressure ventilation with RAMP to slowly introduce the therapeutic pressure over time.
  - vi. **AVAPS** (Average Volume Assured Pressure Support) available in the S, S/T, PC, and T modes to help patients maintain a tidal volume (VT) equal to or greater than the target tidal volume (Volume setting in the ventilator) automatically controlling the pressure support (PS) provided to the patient.
3. **VENTILATION SETTINGS PARAMETERS:** The Noninvasive/Invasive ventilator must provide the following control settings and ranges:
- i. EPAP (Expiratory Positive Airway Pressure) Active circuits: 0-25 cm H<sub>2</sub>O; Passive circuits: 4-25 cm H<sub>2</sub>O
  - ii. CPAP (Continuous Positive Airway Pressure) 4-20 cm H<sub>2</sub>O
  - iii. PEEP (Positive End Expiratory Pressure) Active Circuits: 0-25 cm H<sub>2</sub>O; Passive circuits: 4-25 cm H<sub>2</sub>O
  - iv. IPAP (Inspiratory Positive Airway Pressure) 4-50 cm H<sub>2</sub>O
  - v. PS (Pressure Support) 0-30 cm H<sub>2</sub>O
  - vi. VT (Tidal Volume) 50-2000 ml
  - vii. Sigh: On/Off
  - viii. I-Time (Inspiratory Time) 0.3-5.0 sec.
  - ix. IPAP Max Pressure (AVAPS Maximum IPAP Pressure) 4 to 50 cmH<sub>2</sub>O
  - x. IPAP Min Pressure (AVAPS Minimum IPAP Pressure) 4 to 50 cmH<sub>2</sub>O
  - xi. O<sub>2</sub> (Oxygen concentration to be delivered) 21-100%
  - xii. Ramp Time: OFF, 5 to 45 min
  - xiii. Ramp Start Pressure: Incremental settings of 1 from 4 cm H<sub>2</sub>O to CPAP
  - xiv. Flex: Off, 1,2,3
  - xv. Rate (Respiratory Rate) 0 to 60 BPM in A/C; 1-60 in all other modes.
  - xvi. Rise (Rise Time) 1 to 6, corresponding to 0.1 sec per setting

- xvii. Ramp Length: Off, 5-45 min.
- xviii. Apnea Rate: 4-60 BPM
- xix. FIO2 Setting: 21-100%
- xx. VT (AVAPS Target Tidal Volume) 200 to 2000 mL
- xxi. 100% O2 for 2 minutes
- xxii. Trigger Type: Auto-Trak or Flow (1-9 L/min)
- xxiii. Leak Compensation: On/Off
- xxiv. Flow Cycle Sensitivity: Flow Trigger On: 10-90%

**4. ALARM SETTINGS:** The Noninvasive/Invasive ventilator must provide the following Alarms

- i. Loss of Power
- ii. Ventilator Inoperative
- iii. Check Circuit
- iv. Low Circuit Leak
- v. High Expiratory Pressure
- vi. Low Expiratory Pressure
- vii. High Internal Oxygen
- viii. High Oxygen Output
- ix. Low Oxygen Inlet Pressure
- x. Circuit Disconnect: Off, Delay 5-60 sec. in 5 second increments
- xi. Apnea: Off, Delay 10-60 seconds
- xii. High Vte (High Expiratory Tidal Volume) Off, 50 ml to 2000 ml
- xiii. Low Vte (Low Expiratory Tidal Volume) Off, 40-2000 ml
- xiv. Low Vti (Low Inhaled Tidal Volume) Off, 40-2000 ml
- xv. High Vti (High Inhaled Tidal Volume) Off, 40-2000 ml
- xvi. Low Respiratory Rate: Off, 4-80 BPM
- xvii. High Respiratory Rate: Off, 4-80 BPM
- xviii. HIP (High Inspiratory Pressure Alarm) VCV LIP to 80 cm H2O
- xix. LIP (Low Inspiratory Pressure Alarm) PEEP + 2 to 40 cm H2O
- xx. Low MV (Low Minute Ventilation Alarm) OFF, 1 to 99.0 L/min
- xxi. High MV (High Minute Ventilation Alarm) OFF, 1 to 99.0 L/min
- xxii. Low Battery
- xxiii. Replace Detachable Battery

**5. USER INTERFACE:** The Noninvasive/Invasive ventilator must have a color display screen to allow the user to easily access ventilator settings and monitored parameters.

**6. MONITORING:** The Noninvasive/Invasive ventilator must display monitored parameters, measured settings, batteries, alarm pause and ramp function.

**7. ALARMS:** The Noninvasive/Invasive ventilator must have operator-adjustable and nonadjustable alarms help ensure the patient's safety.

8. **BACKUP BATTERY:** The Noninvasive/Invasive ventilator must use as its primary power source AC mains, but there must be an internal backup battery and an optional detachable battery to power the ventilator for a sum total of at least 6 hours.
9. **INTEGRAL BLOWER:** The Noninvasive/Invasive ventilator uses high-pressure oxygen, but must have an integral blower to provide pressurized gas for delivery to the patient.
10. **TRANSPORTABILITY:** The Noninvasive/Invasive ventilator must be able to be mounted to a roll stand. There must be optional cylinder holders on the stand to accommodate two E-size oxygen cylinders.
11. **Pulse Oximetry:** The Noninvasive/Invasive ventilator must have a Pulse Oximetry option capable of displaying patient oxygen saturation and heart rate directly on the ventilator display screen.
12. **Dual Prescription:** The Noninvasive/Invasive ventilator must have the capability to store a Primary and a Secondary set of patient settings.
13. **Low Flow Oxygen input:** The Noninvasive/Invasive ventilator must have the capability to connect an inline connector to add supplemental oxygen up to 15 L/min when high pressure oxygen is unavailable.

#### CLEANING

- The Noninvasive/Invasive ventilator must be able to be cleaned with the following substances:
  - Water
  - Soapy water or a mild detergent
  - Hydrogen Peroxide (3%)
  - Isopropyl Alcohol (91%)
  - 10% bleach solution (10% bleach, 90% water)

Example: Phillips Respironics V60

Item Summary:

Item	Part Number	Description	Qty	Unit	Price
0001	_____	Ventilator as per description. Include brochure with proof of salient characteristics.	12	EA	_____

OFFER SUBMISSION: Acceptable offer submission is each CLIN listed separately with individual pricing on standard company quote form inclusive of shipping. Include any requisite supporting documentation identified in this solicitation with your offer.

\*Manufacturer and model number not intended to limit competition, but to accurately and fully describe required features.

New Equipment ONLY; NO remanufactured or "gray market" items.

All items must be covered by the manufacturer's warranty.

Offer MUST be good for 60 calendar days after close of solicitation.

Delivery: 60 Days ARO

Shipping: FOB Destination

Shipping Address:

Audie L. Murphy VA Hospital  
7400 Merton Minter Boulevard  
San Antonio, TX 78229

(vi) 52.212-1 Instructions to Offerors - commercial Items, apply to this solicitation with the following addenda, FAR 52.216-18 Ordering; VAAR 852.236-76 Correspondence; VAAR 852.237-70 Contractor Responsibilities; VAAR 852.270-1 Representatives of Contracting Officers; VAAR 852.273-75 Security Requirements for Unclassified Information Technology Resources

(vii) 52.212-2 Evaluation - Commercial Items: FAR provision 52.212-2 applies to this solicitation. VAAR 852.211-73 Brand Name or Equal is also incorporated into this solicitation. At minimum, the offered item must meet all requirements set forth in the product specifications/salient characteristics of the requested items manufacturer documentation to be considered a responsive offer. The Offeror that submits the offer that meets all the requirements of the solicitation, is responsive and responsible, has the lowest cumulative price for all items (inclusive of delivery) and the offer is fair market price will be selected.

The Government anticipates awarding a single award contract resulting from this solicitation to the lowest priced technically acceptable offer that is fair and reasonable and conforms to all solicitation requirements. Award without discussions is contemplated and all offerors are encouraged to submit their best offer with their initial submission.

To be considered technically acceptable for award each offeror must provide with their submitted quote/offer:

1. Documentation that confirms the company/employees are manufacturer authorized resellers/distributors/installers of the quoted/offered items and proof of insurance (Certificate of Insurance) for installation.
2. If you are quoting/offering “or equal” items, the offeror must submit manufacturer product literature that confirms the item(s) meets all the salient characteristics for the specified items. The salient characteristics for the specified item(s) are contained in the applicable manufacturer’s literature.
3. If you are quoting/offering “or equal” items, the offeror must clearly identify the exact make, model, manufacturer and item description for each line item to be considered. Quotes/offers that do not provide an adequate description of how the “equal” product meets the salient characteristics will not be considered for award. This is not applicable to offerors that are quoting “EXACT MATCH” items.
4. Documentation that confirms the company is registered and is the required socio-economic category in the System for Award Management (SAM) located at [https:// www.sam.gov](https://www.sam.gov)

(viii) 52.212-3 Offeror Representations and Certifications - Commercial Items- Offeror's are to include a COMPLETED COPY OF PROVISION 52.212-3 WITH THE QUOTE. A copy of the provision may be attained from [https:// www.sam.gov](https://www.sam.gov). If not provided, the offer may not be considered for award.

(ix) 52.212-4 Contract Terms and Conditions - Commercial Items: apply to this solicitation with the following addenda; VAAR 852.203-70 Commercial Advertising, VAAR 852.237-76 Electronic Invoice Submission.

(x) 52.212-5 Contracts Terms and Conditions Required to Implement Statutes or Executive Orders - Commercial Items; The following FAR clauses identified at paragraph b of FAR 52.212.5 are considered checked and are applicable to this acquisition: 52.219-4, 52.219-8, 52.219-28, 52.219-3, 52.222-19, 52.222.21, 52.222-26, 52.222.35, 52.222-36, 52.222-37, 52.222-39, 52.225-1, 52.232-34, 52.222-41, 52.222-44

(xi) n/a.

(xii) The Defense Priorities and Allocations System (DPAS) is not Applicable to this acquisition.

(xiii) n/a.

(xiv) n/a.

(xv) Site Visit: n/a.

(xvi) **QUOTES/OFFERS ARE DUE AUGUST 11, 2016 at 3PM PACIFIC TIME.** Only electronic offers will be accepted. Submit quotation to – Albert Merkel, NCO 20 Contract Specialist e-mail [Albert.Merkel@Va.Gov](mailto:Albert.Merkel@Va.Gov). All offers must include the solicitation number “VA257-16-Q-1421” in the subject line of the email. Quotes/offers received after this date and time may not be considered for award.

(xvii) Contact information

**Contracting Office Address:**  
Network Contracting Office 20-SAO WEST

Department of Veterans Affairs  
8524N Wall St  
Spokane, WA 99206

**Primary Point of Contact:**

Albert Merkel, Contract Specialist  
[Albert.Merkel@va.gov](mailto:Albert.Merkel@va.gov)